



## Quality Assurance Engineering Scheme Certificate

**Manufacturer**      **HEROSE G.M.B.H. ARMATUREN UND METALLE**

**Address**              Elly-Heuss-Knapp-Str. 12, Bad Oldesloe, 23843, Germany

**Scheme Type**        **Quality Assurance Scheme for Machinery (QAM)**

**Approval Number**    **QAM183 / A 02**

**Product Type**        Cryogenic Strainers

**Product Name**        Strainers for LNG and cryogenic service

**Product Type**        Cryogenic Valves

**Product Name**        Cryogenic Globe-, Globe/Check-, Check- and Divertor Valves

**Product Type**        Safety Valves

**Product Name**        Angle-type Safety Valves

Cryogenic Safety Valves

This is to certify that the above named manufacturer has been approved by LR EMEA in accordance with the requirements set out in the Quality Assurance Scheme for Machinery (QAM) within the Lloyd's Register Rules and Regulations for the Classification of Ships.

The quality system and procedures at these works covering production methods, inspection and testing, quality control and general standards of workmanship have been examined and are approved for the manufacture of the undernoted product(s) at the stated place(s) of production.

Such items will be eligible for fitting in ships or other installations classed or intended for classification subject to satisfactory installation under the usual conditions of survey and testing.

This approval is conditional upon the product(s) manufactured and certified under this Scheme being in accordance with the relevant requirements of the Rules and Regulations for the Classification of Ships and the organisation and procedures being audited by the Surveyors at agreed intervals.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

**Thomas Anhofer**

Lead Specialist / QAES Scheme Coordinator  
to Lloyd's Register EMEA  
A member of the Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



## Quality Assurance Engineering Scheme Certificate

For details of the scope of approval see subsequent pages of this certificate.

This certificate is issued to the named manufacturer and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate and reserves the right to cancel or withdraw this certificate.

The Quality Assurance Scheme for Machinery is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations for the Classification of Ships are complied with.

Scope of products covered by the scheme:

### 1. Strainers for LNG and cryogenic service

Types: 08416, 08432, 08716, 08717, 08732

LR Type Approval Certificate LR25294732TA applies.

### 2. Cryogenic Globe-, Globe/Check-, Check- and Divertor Valves

Types (Globe): 01345 / 01355 / 01645 / 01655 / 01741 / 01743 / 01745 / 01751 / 01753 / 01755  
01841 / 01843 / 01845 / 01851 / 01853 / 01855 / 03341 / 03343 / 03351  
03641 / 03651 / 03741 / 03743 / 03751 / 03841 / 03843 / 03851 / 11C01.A001  
01272 / 03252

Types (Check): 05417 / 05419 / 05714 / 05717 / 05719

LR Type Approval Certificates LR2508712TA-02 and LR25294732TA apply.

### 3. Angle-type Safety Valves

Type: 50051.0004

LR Type Approval Certificate LR2340586TA-02 applies.



---

## Quality Assurance Engineering Scheme Certificate

### 4. Cryogenic Safety Valves

Types: 06800 / 06801 / 06805 / 06806 / 06011 / 06012 / 06016 / 06381  
06383 / 06413 / 06440 / 06441 / 06445 / 06446

LR Type Approval Certificate LR25294473TA applies.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

---

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

